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REMARKS

Claims 6-18 stand rejected under 35 U.S.C. 103(a) as being unpatentable over a paper by Elizabeth et al (hereinafter referred to as Elizabeth) in view of FIG. 4 of applicant's drawings (hereinafter referred to as AAPA). Applicant respectfully requests reconsideration of the rejections and allowance of the pending claims in view of the foregoing amendments and the following remarks.

Claims 7 and 8 have been canceled. Claims 1-5 were previously canceled. Thus, claims 6 and 9-18 are pending.

M.P.E.P. 2143.04 provides that to establish *prima facie* obviousness of a claimed invention, all the claims limitations must be taught or suggested by the prior art. All words in a claim must be considered for judging the patentability of the claim against the prior art. If an independent claim is nonobvious under 35 U.S.C. 103, then any claim depending there from is nonobvious.

Independent claim 6 is directed to a method for establishing a connection between a service requester and a service provider in a decentralized mobile wireless network comprising a plurality of Internet Packet (IP) routers. Each router includes a routing table. The method allows sending a service discovery request message via the plurality of IP routers. The service discovery request message is configured to discover at least one service provider that can purvey real world information of interest to a service requester, at least some of the information is related to a physical location, such as local weather, Automated Teller Machine (ATM) location. See at least paragraph 0006 of the US patent application publication of the present invention. The service request message includes an element to meet a route request of the service provider. The method further allows receiving the service discovery request message by each router. At a respective routing table of each router, routing information is added pertaining to the received service discovery request message. The service discovery request message is received by said at least one service provider. Said at least one service provider responds with a discovery reply message in response to the service discover request message. The service discovery reply message includes an identification of said at least one service provider that can purvey the information of interest to the service requester. At the respective routing table of each of a lesser number of the

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plurality of IP routers, routing information is added pertaining to the service discovery reply message, wherein the service discover reply message includes every element needed to establish a route reply from the service provider to the service requester via said lesser number of the plurality of IP routers, thereby reducing a signaling overhead in the network.

It is respectfully submitted that neither Elizabeth nor AAPA, singly and in combination, describe or suggest each of the structural and/or operational relationships of the claimed invention. For example, Elizabeth and AAPA nowhere describe or suggest "wherein the service discovery request message is configured to discover at least one service provider that can purvey information of interest to a service requester, at least some of the information related to a physical location", as set forth in the claimed invention. Additionally, Elizabeth and AAPA nowhere describe or suggest "wherein the service discover reply message includes every element needed to establish a route reply from the service provider to the service requester via said lesser number of the plurality of IP routers, thereby reducing a signaling overhead in the network", as further recited in the claimed invention. Therefore, since the applied art (Elizabeth and AAPA) fails to describe or suggest each of the structural and/or operational relationships of the claimed invention, the §103 rejection over Elizabeth and AAPA has been overcome and allowance of claim 6 (and claims depending there from) are solicited.

Claim 11 is directed to a method for establishing a connection between a service requester and a service provider in a decentralized mobile wireless network comprising a plurality of Internet Packet (IP) routers. Each router includes a routing table. The method allows multicasting a service discovery request message via the plurality of IP routers, wherein the network is flooded with the request message from the multicasting. The service discovery request message is configured to discover at least one service provider that can purvey information of interest to a service requester, at least some of the information is related to a physical location The method further allows receiving the reply message by a lesser number of the plurality of IP routers thereby avoiding a flooding of the network message, and adding, at the respective routing table of each of the lesser number of the plurality of IP routers, routing information pertaining to the corresponding reply message to the routing table. A connection between the requester and said at least one service provider is established via said lesser number of the plurality of IP routers, thereby avoiding a signaling over-head, which

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otherwise would be incurred in the network by multicasting a route request from the provider to the requester.

It is respectfully submitted that neither Elizabeth nor AAPA, singly and in combination, describe or suggest each of the structural and/or operational relationships of claim 11. For example, Elizabeth and AAPA nowhere describe or suggest, "wherein the service discovery request message is configured to discover at least one service provider that can purvey information of interest to a service requester, at least some of the information related to a physical location", as set forth in the claimed invention. Additionally, Elizabeth and AAPA nowhere describe or suggest "receiving the reply message by a lesser number of the plurality of IP routers thereby avoiding a flooding of the network message; and

adding, at the respective routing table of each of the lesser number of the plurality of IP routers, routing information pertaining to the corresponding reply message to the routing table,

wherein a connection between the requester and said at least one service provider is established via said lesser number of the plurality of IP routers, thereby avoiding a signaling over-head, which otherwise would be incurred in the network by multicasting a route request from the provider to the requester", as further set forth in the claimed invention. Therefore, the §103 rejection of claim 11 (and claims depending there from) should be withdrawn and their allowance is solicited.

Claim 16 is directed to a decentralized mobile wireless network system. As amended, claim 16 in part recites "a service discovery request message that includes a first routing indicator and a request for discovering at least one service provider that can purvey information of interest to a service requester, at least some of the information related to a physical location". Claim 16 further recites "wherein the discovery reply message is received by a lesser number of the plurality of IP routers, thereby avoiding a flooding of the network message and wherein the respective routing table of each of the lesser number of the plurality of routers is updated with information pertaining to the corresponding reply message when the reply message includes the second routing indicator, and wherein a connection between the requester and said at least one service provider providing the service is established via said lesser number of the plurality of IP routers, thereby reducing a signaling overhead in the network".

It is respectfully submitted that neither Elizabeth nor AAPA, singly and in combination, describe or suggest each of the foregoing structural and/or operational relationships recited in

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claim 16. Therefore, the §103 rejection of claim 16 (and claims depending there from) should be withdrawn and their allowance is solicited.

Conclusion

It is respectfully submitted that each of the claims pending in this application recites patentable subject matter and it is further submitted that such claims comply with all statutory requirements and thus each of such claims should be allowed.

The undersigned represents under 37 C.F.R. 1.34 that he is duly authorized to file this response.

Respectfully submitted,

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